

California Weather-Hydro Conditions during May 2011

As of June 1, 2011, statewide hydrologic conditions were as follows: precipitation, 135 percent of average to date; runoff, 130 percent of average to date; snow water equivalent, 310 percent of average for the date (100 percent of the April 1 average); and reservoir storage, 110 percent of average for the date. Sacramento River Region unimpaired runoff observed through May 31, 2011 was about 19.7 million acre-feet (MAF), which is about 124 percent of average. For comparison, on May 31, 2010, the observed Sacramento River Region unimpaired runoff through that date was about 12.4 MAF, or about 78 percent of average.

May was unusually cool and wet. On June 1, the Northern Sierra 8-Station Precipitation Index Water Year total was 69.0 inches, which is about 145 percent of the seasonal average to date and 138 percent of an average water year (50.0 inches). During May, the total precipitation for the 8-Stations was 4.6 inches, which is about 219 percent of the monthly average. Last year on June 1, the seasonal total for the 8-Stations was 52.7 inches, or about 111 percent of average for the date.

On June 1, the San Joaquin 5-Station Precipitation Index Water Year total was 61.3 inches, which is about 158 percent of the seasonal average to date and 150 percent of an average water year (40.8 inches). During May, the total precipitation for the 5-Stations was 3.6 inches, or about 200 percent of the monthly average. Last year on June 1, the seasonal total for the 5-Stations to date was 44.5 inches, or about 114 percent of average for the date.

Selected Cities Precipitation Accumulation as of 05/31/2011 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2010 - 2011 (in inches)	% Avg	Jul 1 to Date 2009 - 2010 (in inches)	% Avg	% Avg "Water Year" Jul 1 to Jun 30 2010 - 2011
Eureka	43.81	117	42.20	113	115
Redding	34.31	105	30.25	92	102
Sacramento	22.48	127	20.74	117	125
San Francisco	21.49	107	21.39	107	107
Fresno	15.60	142	12.36	112	139
Bakersfield	10.25	161	7.10	111	158
Los Angeles	17.83	136	12.43	95	136
San Diego	12.59	118	10.53	99	117

Key Reservoir Storage (1,000 AF) as of 05/31/2011								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	2,272	2,154	105	2,448	93	---	176
Shasta Lake	Sacramento	4,487	3,960	113	4,552	99	-65	65
Lake Oroville	Feather	3,400	3,043	112	3,538	96	-138	138
New Bullards Bar Res	Yuba	914	832	110	966	95	-52	52
Folsom Lake	American	880	835	105	977	90	-97	97
New Melones Res	Stanislaus	2,092	1,500	139	2,420	86	-328	328
Don Pedro Res	Tuolumne	1,722	1,531	112	2,030	85	-21	308
Lake McClure	Merced	750	714	105	1,025	73	34	275
Millerton Lake	San Joaquin	277	407	68	520	53	199	243
Pine Flat Res	Kings	706	723	98	1,000	71	79	294
Isabella	Kern	332	294	113	568	59	-29	236
San Luis Res	(Offstream)	1,831	1,670	110	2,039	90	---	208

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for June 2011, issued May 31, 2011, suggests above average rainfall for the Northern and Central California. No tendency for above or below average rainfall is suggested for Southern California.